

Amendments to the Specification

Please delete the paragraph on page 5 beginning on line 26 and replace it with the following:

To achieve the subject calibration-free system, the analyte-selective reagent of the optical chemical sensor/analyzer must be renewable. A variety of pumps 29 and valves 31 are available for supplying new reagent to a sensor/analyzer. A solenoid pump and valve are used in a preferred embodiment. Additionally, peristaltic pumps, syringe pumps, positive displacement pumps, and valves, such as, pinch valves can be used for this purpose.